

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/006205A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N7/34 H04N7/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/181594 A1 (KIM CHANG-SU ET AL) 5 December 2002 (2002-12-05) page 7, paragraph 88 – page 10, paragraph 116; figure 6	1-34
A	US 2003/215014 A1 (KIKUCHI YOSHIHIRO ET AL) 20 November 2003 (2003-11-20) paragraph '0012! – paragraph '0013! paragraph '0047! – paragraph '0050!; figure 34 page 8, paragraph 128 – page 13, paragraph 177; figures 20-32 page 13, paragraph 180 – page 16, paragraph 231 paragraph '0065! – paragraph '0067!; figure 2	1-34 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

26 August 2004

01/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kuhn, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/006205

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KOTO S-I ET AL: "Adaptive Bi-predictive video coding using temporal extrapolation" ICIP-2003 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, vol. 3, 14 September 2003 (2003-09-14), pages 829-832, XP010669962 BARCELONA, SPAIN abstract pages III-829, paragraph 2; figure 1	1-34
A	KOSSENTINI F ET AL: "PREDICTIVE RD OPTIMIZED MOTION ESTIMATION FOR VERY LOW BIT-RATE CODING" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 15, no. 9, 1 December 1997 (1997-12-01), pages 1752-1763, XP000726013 ISSN: 0733-8716 page 1754, right-hand column - page 1755; figure 2	1-34
E	WO 2004/054225 A (THOMSON LICENSING SA ; BOYCE JILL MACDONALD (US)) 24 June 2004 (2004-06-24) page 6, line 7 - line 10; figures 2-6 page 12, line 19 - page 15, line 31	1-34
A	US 5 631 979 A (COK DAVID R) 20 May 1997 (1997-05-20) the whole document	1-34
A	CAROTTI E S G ET AL: "Low-complexity lossless video coding via adaptive spatio-temporal prediction" ICIP 2003 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, vol. 2, 14 September 2003 (2003-09-14), pages 197-200, XP010670274 BARCELONA, SPAIN pages III-198, paragraph 3.1 - pages III-199, paragraph 3.3	1-34

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/006205

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 2002181594	A1	05-12-2002	EP 1374578 A2 EP 1374429 A1 EP 1374430 A1 WO 02071639 A1 WO 02071736 A2 WO 02071640 A1 US 2002176505 A1 US 2003063806 A1 US 2003053537 A1 US 2003012287 A1 US 2003026343 A1 US 2002176025 A1 US 2003031128 A1 US 2003067981 A1 US 2003012285 A1 US 2003053454 A1 US 2003053538 A1 US 2002160800 A1	02-01-2004 02-01-2004 02-01-2004 12-09-2002 12-09-2002 12-09-2002 28-11-2002 03-04-2003 20-03-2003 16-01-2003 06-02-2003 28-11-2002 13-02-2003 10-04-2003 16-01-2003 20-03-2003 20-03-2003 31-10-2002
US 2003215014	A1	20-11-2003	JP 2004007379 A BR 0302719 A CA 2440380 A1 WO 03063502 A1 NO 20034138 A US 2004057523 A1	08-01-2004 09-03-2004 31-07-2003 31-07-2003 23-10-2003 25-03-2004
WO 2004054225	A	24-06-2004	WO 2004054225 A2	24-06-2004
US 5631979	A	20-05-1997	NONE	